Title (en)

System for synchronizing mutually interfering signals in digital radio transmissions with frequency re-use

Title (de)

System zum Synchronisieren gegenseitig interferierender Signale bei digitaler Funkübertragung mit wiederverwendeter Frequenz

Title (fr)

Système pour synchroniser des signaux qui interfèrent mutuellement dans une radio transmission numérique avec réutilisation de la fréquence

Publication

EP 0552692 B1 19970521 (EN)

Application

EP 93100615 A 19930116

Priority

IT MI920110 A 19920122

Abstract (en)

[origin: EP0552692A1] The present invention concerns a method and a system for demodulating mutually interfering signals according to a suitable synchronism bond between said signals. With such a system a complete decoupling of the demodulators (8,8',10,10') of said signals is obtained. The system is characterized in that on each polarization there is at least a pair of demodulators (8,8',10,10'), a first pair (8,8') operate a baseband conversion of both signal H and V using the carrier recovery circuit (21) driven by data of one of the two signals (e.g. V) and a second pair (10,10') operates still a baseband conversion of both signals H and V but using said carrier recovery circuit (21') now driven by data of the other signal (e.g. H). <IMAGE>

IPC 1-7

H04B 7/10

IPC 8 full level

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